

IN THE CLAIMS

The status of the claims is listed below.

Claims 1-29: (Canceled).

Claim 30 (Currently Amended): A method of providing a polysulfone polymer with low yellow coloration comprising reacting 2,2-bis(4-hydroxyphenyl)propane with at least one diarylsulfone compound to form a low-color content polysulfone polymer, wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.27% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane,

~~The method of claim 1~~ wherein the low-color content polysulfone polymer is injection molded at a temperature of at least 100 °C. to produce a transparent polymeric material with a yellowness index of less than 1.00.

Claim 31 (Currently Amended): A method of providing a polysulfone polymer with low yellow coloration comprising reacting 2,2-bis(4-hydroxyphenyl)propane with at least one diarylsulfone compound to form a low-color content polysulfone polymer, wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.27% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane,

wherein the at least one diarylsulfone compound comprises two aryl groups bridged by a sulfone group, and

~~The method of claim 2~~ wherein the low-color content polysulfone polymer is injection molded at a temperature of at least 100 °C. to produce a transparent polymeric material with a yellowness index of less than 1.00.

Claim 32 (Currently Amended): A method of providing a polysulfone polymer with low yellow coloration comprising reacting 2,2-bis(4-hydroxyphenyl)propane with at least one diarylsulfone compound to form a low-color content polysulfone polymer, wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.27% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane, wherein the at least one diarylsulfone compound comprises two aryl groups bridged by a sulfone group,

wherein each aryl group is substituted with one reactive group selected from the group consisting of halogen, cyano, and hydroxyl, with multiple substituents, if any, being either the same or different on each molecule, and

~~The method of claim 3~~ wherein the low-color content polysulfone polymer is injection molded at a temperature of at least 100 °C. to produce a transparent polymeric material with a yellowness index of less than 1.00.

Claim 33 (Currently Amended): A method of providing a polysulfone polymer with low yellow coloration comprising reacting 2,2-bis(4-hydroxyphenyl)propane with at least one diarylsulfone compound to form a low-color content polysulfone polymer, wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.27% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane, wherein the at least one diarylsulfone is selected from the group consisting of bis(4-chlorophenyl)sulfone or 4-chlorophenyl-4'-hydroxyphenylsulfone, and

~~The method of claim 4~~ wherein the low-color content polysulfone polymer is injection molded at a temperature of at least 100 °C. to produce a transparent polymeric material with a yellowness index of less than 1.00.

Claim 34 (Currently Amended): A method of providing a polysulfone polymer with low yellow coloration comprising reacting 2,2-bis(4-hydroxyphenyl)propane with at least one diarylsulfone compound to form a low-color content polysulfone polymer, wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.27% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane,

~~The method of claim 1~~ wherein the low-color content polysulfone polymer is injection molded at a temperature of at least 100 °C. to produce a transparent polymeric material with a yellowness index of less than 0.75.

Claim 35 (Currently Amended): A method of providing a polysulfone polymer with low yellow coloration comprising reacting 2,2-bis(4-hydroxyphenyl)propane with at least one diarylsulfone compound to form a low-color content polysulfone polymer, wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.27% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane,

wherein the at least one diarylsulfone is selected from the group consisting of bis(4-chlorophenyl)sulfone or 4-chlorophenyl-4'-hydroxyphenylsulfone, and

~~The method of claim 4~~ wherein the low-color content polysulfone polymer is injection molded at a temperature of at least 100 °C. to produce a transparent polymeric material with a yellowness index of less than 0.75.

Claim 36 (Currently Amended): A method of providing a polysulfone polymer with low yellow coloration comprising reacting 2,2-bis(4-hydroxyphenyl)propane with at least one diarylsulfone compound to form a low-color content polysulfone polymer, wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.27% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane,

wherein the low-color content polysulfone polymer is injection molded at a temperature of at least 100 °C. to produce a transparent polymeric material with a color index of less than 1.00, and

~~The method of claim 5~~ wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.25% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane and the yellowness index of the polysulfone resin is less than 0.75.

Claim 37 (Currently Amended): A method of providing a polysulfone polymer with low yellow coloration comprising reacting 2,2-bis(4-hydroxyphenyl)propane with at least one diarylsulfone compound to form a low-color content polysulfone polymer, wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.27% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane,  
wherein the at least one diarylsulfone is selected from the group consisting of bis(4-chlorophenyl)sulfone or 4-chlorophenyl-4'-hydroxyphenylsulfone,

wherein the low-color content polysulfone polymer is injection molded at a temperature of at least 100 °C. to produce a transparent polymeric material with a color index of less than 1.00, and

~~The method of claim 8~~ wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.25% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane and the yellowness index of the polysulfone resin is less than 0.75.

Claim 38 (Currently Amended): A method of providing a polysulfone polymer with low yellow coloration comprising reacting 2,2-bis(4-hydroxyphenyl)propane with at least one

diarylsulfone compound to form a low-color content polysulfone polymer, wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.27% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane, wherein the low-color content polysulfone polymer is injection molded at a temperature of at least 100 °C. to produce a transparent polymeric material with a color index of less than 1.00, and

~~The method of claim 5~~ wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.20% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane and the yellowness index of the polysulfone resin is less than 0.75.

Claim 39 (Currently Amended): A method of providing a polysulfone polymer with low yellow coloration comprising reacting 2,2-bis(4-hydroxyphenyl)propane with at least one diarylsulfone compound to form a low-color content polysulfone polymer, wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.27% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane, wherein the low-color content polysulfone polymer is injection molded at a temperature of at least 100 °C. to produce a transparent polymeric material with a color index of less than 1.00, and

~~The method of claim 5~~ wherein the 2,2-bis(4-hydroxyphenyl)propane comprises less than 0.15% by total weight of 2-(4-hydroxyphenyl)-2-(2-hydroxyphenyl)propane and 2,2-bis(2-hydroxyphenyl)propane and the yellowness index of the polysulfone resin is less than 0.50.

Claims 40-47: (Canceled).

SUPPORT FOR THE AMENDMENTS

Claims 30-39 have been written in independent form. Accordingly, no new matter is believed to have been added to the present application by the amendments submitted above.